

DAMAGE ASSESSMENT AND EMERGENCY STATUS REPORT # 3

Wednesday, June 11, 2008

(Note: June 11 Update is in bold blue type.)

SITUATION OVERVIEW: A series of damaging thunderstorms occurred in waves across central and southern Lower Michigan beginning on Friday, June 6 and continuing through the weekend on June 7 and 8, 2008. To date, the county and/or municipal emergency management programs that have reported storm damage and/or impacts via the statewide "E Team" information system include:

- Allegan County
- Arenac County
- Barry County
- Clare County
- Clinton County
- Delta Township (Eaton County)
- City of Detroit
- Eaton County
- Genesee County
- Gladwin County
- City of Lansing
- Livingston County
- Missaukee County
- Monroe County
- Oakland County
- Osceola County
- Ottawa County
- Saginaw County
- Washtenaw County
- Wayne County

In addition, various reports (media and/or direct contact with local officials) indicate that the following jurisdictions may have incurred some level of damage or impact from these storms; however, they have not yet reported any information in the E Team system:

- Macomb County
- Shiawassee County
- St. Clair County

DAMAGE / IMPACT SUMMARIES FOR REPORTING JURISDICTIONS*:

***Note: these summaries have been copied from the actual E Team Incident or Jurisdiction Situation Reports filed by the respective jurisdictions. Some editing may have occurred to clarify the information or remove extraneous information.**

Allegan County:

Allegan County has received 3-5 inches of rain within a 6-hour period. This has caused a number of culverts and public drains to wash away. The road commission has provided an estimate of damages. Known damages and estimate of costs: 1) 2700 block of Lakeshore Dr. – Culvert replacement \$250,000. 2) 57th St. south of 136th Ave. – Culvert replacement \$90,000. 3) Repairs along Lakeshore Dr. where water went over the road and eroded the west side of the road at several locations: \$100,000. General small culvert washouts and shoulder washouts throughout the county will cost an estimated \$250,000 to repair, replace and repave in some locations. Total potential cost of damage repair is \$690,000 at this time. Lakeshore roadway has been washed away, two

individuals were killed after driving over a washed out roadway, falling 40 feet. Twenty-five (25) residents have been evacuated from the area due to the shoreline becoming unstable and broken gas lines.

June 11 Update: There are currently 11 road closures either full or partial due to washouts. 4 public drains are damaged including culverts washed away. The Michigan State Extension Service has reported extensive crop loss and is currently compiling losses. I-196 and US-31 are at partial closure approx. 0.2 to 0.3 miles. On June 10, the Allegan County Board of Commission declared a "state of emergency" in response of the severe weather causing heavy damage to roads, public drains and residential neighborhoods.

Arenac County:

Thunderstorms moved through Arenac County at approximately 5:00 PM on Friday June 6, 2008. Reports have come in of barns, farm outbuildings and residential structures being damaged. Heaviest damage reported at this time was a roof lifted from a large barn (approx 40' x 100') which landed on a garage roof and then continued onto the roof of the attached residential structure.

June 11 Update: Nothing new to report.

Barry County:

Recovering from high winds and rain from Sunday's (June 8) storm which caused widespread electrical power outages, localized flooding, and restricted passage due to downed trees affecting roadways. The Pennock Hospital lost power around 1500 hours on Sunday, and is expected to have power restored by 1500 Monday. Roadway closures are listed for Thornapple Township at 108th St. between Patterson and Knoffke Drive. In Rutland Township, the road is closed at Tanner Lake Road between Yeckley and Quimby. In Hastings Township, Center Road is closed between Mathison and Charlton Park. In Castleton, road closures include Greggs Crossing, Martin Road between Center Road and E. State Road, as well as Martin Road between E. State Road and Bayne Road. Carlton Township's Jordan Road is closed at Lawhead Lake. The Thornapple River is forecast to crest Tuesday, June 10, at or about noon with a level of 8.6 feet. The 911 Dispatch Center was without 7-digit in/outbound telephone capability from about 1700 hours on Sunday (June 8) until approximately 1400 Monday, June 9; however, 911 inbound calls were in operation – and normal dispatch of services continued.

June 11 Update: June 6 severe weather with high winds and heavy rainfall causing flash flooding and numerous trees down. Widespread power outages. Observing Thornapple River for flooding. Predicted crest on June 10 at 8.6'. Expect minor flooding of homes along the river. Have reports of a few homes with storm damage (appear to still be livable). Center Road has been washed out.

Clare County:

Storm passed through Clare County beginning at about 1420 hours on June 8. There were reports from NOAA of rotation in the storm in the Leota area on two occasions. There was a trained spotter report of a tornado touchdown in the Gray Lake area of Garfield Township. There are dozens of reports of trees and power lines down throughout the entire county. At one time, all 5 Fire Departments were out on multiple calls related to the storm. There are at least 4 reports of structural damage to buildings at the time of this report, including one blown down barn. Power is out in scattered areas throughout the county.

June 11 Update: DPW and Consumer's Energy working to clear roads and restore power. The dam at the Farwell Mill Pond is overflowing and flowing around the dam due to high water levels. There is a leak through a sidewall crack in the dam also. The MDEQ has been contacted. All other service agencies are back to normal operations.

Clinton County:

A severe thunderstorm producing strong winds and a possible tornado came through the county at approximately 1715 hours on June 6, 2008. The storm caused tree and power line damage in several areas. Several homes were affected approximately 3 miles south of St. Johns. One home was destroyed, two homes were severely damaged and approximately 15-20 homes were affected. No injuries or fatalities have been reported at this time. Power is out in the area of the damaged homes. Consumers Energy reports 8500 customers affected. Public damage is limited to the Road Commission building on Bus. US-127. The EOC was not activated and no declaration was necessary. No assistance needed at this time.

June 11 Update: Nothing new to report.

Delta Township (Eaton County):

Hundreds of trees down and hundreds of buildings and residences damaged. One fatality reported. Strong winds with reported trees and power lines down with power outages along with localized flooding. Partial activation of EOC at 10:00 AM on Sunday, June 8, 2008. Recurring storm Sunday afternoon at approximately 4:00 PM. Reopened EOC at 6:00 PM. EOC Full Activation on Monday, June 9 at 10:00 AM.

June 11 Update: Local declaration and request for a Governor's declaration hand delivered to the SEOC Operations Chief by the township Emergency Manager on June 9, 2008.

City of Detroit:

The City of Detroit reported that portions of the city had trees and power lines down. No local state of emergency has been declared and no state assistance has been requested.

June 11 Update: Nothing new to report.

Eaton County:

Emergency Declaration signed and attached to E Team on June 8. Due to the batch of storms, the EOC was activated on June 8. The county is experiencing multiple road closures, trees down, and power out to large areas of the county. Localized flooding is still an issue; however, the situation is improving. The hardest hit townships are Chester, Benton, and Windsor, the south part of Roxand, Delta and Oneida. I-69 is completely open after being partially closed for a time.

June 11 Update: Damage assessment 90% complete and entered. Road closures still in place due to washouts and flooding. All area streams running close to bank full and standing water in many fields. Estimate at least two weeks for road work and repairs.

Genesee County:

Argentine Township reported wind or possible tornado damage. Seven (7) houses reported damaged. Also, reports of trees and power lines down in Grand Blanc and Davison, but no other home damage reported at this time.

June 11 Update: National Weather Service stated damage was due to straight line winds and not a tornado. Situation is stabilized.

Gladwin County:

Possible straight line wind damage in Gladwin County with the most damage in All Bright Shore area. No assistance needed at this time. Damage assessments are ongoing.

June 11 Update: Nothing new to report.

City of Lansing:

Severe storms impacted the City of Lansing beginning June 7 at approximately 2300 hours. During that time there have been hundreds of requests for emergency services, power lines down, and trees down making numerous areas of the city inaccessible. Currently there are approximately 15,000 residents that do not have power and emergency service crews are responding to calls for assistance and performing windshield damage

assessment surveys. A local state of emergency was declared Sunday, June 8 in the AM by Lansing's mayor. At this time the City is currently assessing the totality of the damage and implementing a debris removal plan.

June 11 Update: The National Weather Service (NWS) has identified that on June 7 the City of Lansing experienced significant severe weather with sheer winds in excess of 60 mph and on June 8 an EF1 tornado passed through and touched down along the I-496 corridor causing extensive damage to property and structures. The City of Lansing still remains overwhelmed by the scope and devastation resulting from the severe weather events. Currently the City has identified over a 200 block area of operations impacted by the storm with assessments still ongoing. Whereas the City has made all roads passable there still remains a vast amount of debris and considerable safety issues, the true depth and breadth of the damage is still to be ascertained by field damage assessment crews. There are literally thousands of trees that have been damaged, have limbs "hanging", or are subject to catastrophic collapse due to the subjected forces of the storms.

The Forestry department has exhausted all of their available resources in attempting to determine the hazard vulnerability to life safety and quality of life in the city. Additionally the previously noted hazards with the trees are posing significant life safety issues for field crews both from Forestry and the Board of Water and Light (BWL) due to the instability of the trees and the hidden dangers that they possess. The life safety issues resulting from the damaged trees not only touch the first response crews but are significant to our civilian population as well. Field crews are reporting hundreds of trees that are leaning or subject to potential collapse on existing power lines and structures, thereby causing even greater power failures and structural damage in the City; assessments are still underway determining the threat potential. The issue has become the first priority for field response personnel. As a result of the limited resources available this process could take weeks to determine the true damage and threat.

At the peak of the storm there were over 19,000 residents without power, as of right now there are still over 4000 residents without power in their homes and businesses. The BWL is reporting that the City still has over 400 wires downed events still pending for attention and remediation. BWL has every available qualified personnel responding to the needs of this incident and are still significantly short in meeting the demands of the response; furthermore due to the lack of qualified personnel they cannot even deploy additional field crews. The BWL is reporting, along with the City Forestry Department, that over the next couple of weeks the City can expect more power outages as these damaged limbs fall and impact existing power lines. City infrastructure has been extensively impacted by the storm in a negative fashion. Currently the Parks and Recreation Department is in the process of closing numerous city parks (8 completely and 4 partial) due to the inherent dangers resulting from the damaged trees. Parks and Recreation is also overwhelmed by demand on resources that are critically low and unable to meet demands of the situation.

E Team requests have been submitted for additional damage assessment crews and 15 Forestry task force crews. Even with the 15 TF crews current estimates are that it will be a minimum of 6 weeks before the situation is remediated. As a result of the geographical area impacted by the storm there are no available mutual aid resources as they have all been deployed in multiple surrounding Counties. City streets, while currently "passable," have numerous safety issues and simply not enough personnel or resources available to address the multitude of dangers that exist. The BWL suffered catastrophic loss to multiple cooling towers and 2 out of 6 power generation units at the Eckert power station with the cost of rebuilding and recovery climbing into the millions of dollars. The BWL expects to have temporary cooling towers in place by July 1 and remain until the recovery process can be completed. The economic impact to the City is severe and the potential to revenue and the still emerging economic impact are enormous.

Field damage assessment crews are currently reporting approximately 60-70 homes and business that have affected and minor damage; additionally, they are reporting 7 residential and 1 business with major damage. The damage assessment process is ongoing and due to critically low

resources available will take additional time to accurately complete. As noted above, requests have been made via E Team for additional DA resources to assist with this critical task in determining the damage to the community.

The impact to this community is significant and the final scope of the devastation has yet to be fully realized. The current lack of critical resources and unavailability of mutual aid resources has only compounded the challenges with meeting response objectives. The current life safety issues and potential for further impact to life safety, both responder and civilian population, are considerable and are the absolute priority in the recovery actions. The economic impact to the community is immense and currently it is estimated that the costs will escalate upwards of \$10,000,000 in the response to and recovery from the destruction and devastation resulting from the severe weather.

Livingston County: June 11 Update: There are approximately 300 residents in Livingston County still without power. Approximately 100 power lines are down. Local roads were cleared of debris by the Road Commission on Monday, June 9. The county is not experiencing any flooding, property damage, or injuries. A local declaration will not be made.

Missaukee County:

A tornado warning was issued for Missaukee County at approximately 4:11 PM on June 6. Weather spotters were activated by the Sheriff's Department at approximately 4:15 PM. The tornado warning was cancelled at 4:59 PM. Some downed power lines and spotty power outages occurred in the Richland Township - McBain area due to high winds.

June 11 Update: Nothing new to report.

Monroe County:

Monroe County reported that portions of the county had trees and power lines down. No local state of emergency has been declared and no state assistance has been requested.

June 11 Update: Nothing new to report.

Oakland County: June 11 Update: On Monday, June 9, a windshield survey was conducted after several days of severe storms. Many communities were affected with trees uprooted, minor property damage caused falling trees and electrical outages caused by trees on power lines. No uninsured losses were reported. No state of emergency was declared and no local communities requested assistance.

Osceola County:

After several days of intense storms, on Sunday, June 8, a line of severe storms caused severe damage to the areas of Hersey and Evert. Damage Assessment teams were deployed with National Weather Service representative on June 9 to develop detailed assessments of the storm damage.

June 11 Update: Osceola County has had the following damages reported to the EOC:

- 1) Eagle Village = \$11,000 in private damage / insured
- 2) Spring Hill Camp = \$22,000 in private damage / insured
- 3) Powder Horn Deer Ranch = \$400,000 in private damage / insured
- 4) City of Reed City = \$9680 in emergency debris / protective action costs
- 5) City of Evert = \$43,000 in emergency protective action costs
- 6) Hersey Township = \$21,000 in emergency protective action costs
- 7) Osceola County = \$2500 in emergency protective action costs
- 8) Road Commission = \$5329 in emergency protective actions / debris removal

Of primary concern is the massive amount of tree / debris removal on private property that is uninsurable due to not damaging homes. Additionally, the state forest area has MASSIVE amounts

of tree damage that needs to be removed to restore the area to a safe recreational environment. Other damages still being tallied due to the widespread effects.

Ottawa County:

Ottawa County continues to experience flooding resulting from the recent storms. The area received an additional 1"-2" of rain on June 8 (on top of the several inches already received), along with wind damage resulting in two deaths. Southern Ottawa County is the most severely impacted, with numerous roads flooded. By the late afternoon of June 8 most road flooding had receded; however as the various water sheds attempt to handle the increased volume more residential and businesses are experiencing flood conditions.

The American Red Cross, Ottawa Chapter has opened a Service Center at their Office in Holland from 5:30 PM-10:00 PM for families needing emergency assistance with food, clothing and shelter. Most of the problems are in the Zeeland area near the intersection of Alice and 130th. There are other small pockets of damage. Most of the damage is water in basements and lower levels of homes. In the Hudsonville area a couple of homes have raw sewage backing up into basements. The county estimates there are about 40 homes with minor damage. US-31 was re-opened on June 8. The Ottawa County Road Commission is compiling a list of major road damage that should be available by early PM on June 9. The county had several complete washouts that create health and safety concerns, with residents between the washed out area having no way in or out. Traffic accident injuries have occurred with vehicles driving into the washouts. The county has experienced 3 storm related deaths: 1) An elderly male checking the Worley Dam in Robinson Township apparently got caught while checking the dam, drowned, and was washed down stream. His body was recovered by the county dive team. 2) A vehicle traveling in Spring Lake was hit by a falling tree; the driver was killed and the passenger injured. 3) A lady in Chester Township while attempting to close a barn door was hit and killed by a falling tree at her residence.

A meeting was held with EOC staff and county officials on Monday, June 9, to review current status and gather damage assessment information (including from the Drain Commission and Road Commission). Numerous areas are on the verge of exceeding water retention and may develop more flooding. The National Weather Service continues to predict more significant rain for both Monday (June 9) and Tuesday (June 10). The Ottawa County Health Department has been notified by the Holland Board of Public Works of a sanitary sewer overflow of approximately 100,000 gallons that was released into Lake Macatawa. A No Body Contact Advisory has been issued until 11:00 AM on Tuesday, June 10. No requests for resources are made at this time. Local needs continue to be met with local resources.

June 11 Update: Nothing new to report.

Saginaw County:

Severe weather moved through Saginaw County on Friday, June 6, and Sunday, June 8. Hundreds of trees were blown over, many power lines are down, thousands are without power, and many roads are blocked. The majority of damage is in the City of Saginaw. City crews are currently assessing damage. The County will assemble more damage assessment crews to be deployed after 1600 on June 9. Most streets are accessible. The American Red Cross has opened a shelter at St John's at 915 Federal in the City of Saginaw. The Red Cross Emergency Response Vehicle has deployed to provide food and ice to neighborhoods without power in the City of Saginaw. There are still more than 100 power lines down in the County. Thirty-nine (39) crews are working to restore power.

June 11 Update: The County requested a Governor's emergency or disaster declaration on June 11.

Washtenaw County:

Washtenaw County reported that portions of the county had trees and power lines down. No local state of emergency has been declared and no state assistance has been requested.

June 11 Update: Nothing new to report.

Wayne County:

Wayne County reported that portions of the county had trees and power lines down. No local state of emergency has been declared and no state assistance has been requested.

June 11 Update: Nothing new to report.

ADDITIONAL INFORMATION:

Power Outages:** The following information was provided by the Michigan Department of Labor and Economic Growth (MDLEG) / Michigan Public Service Commission (MPSC) based on reports provided by Detroit Edison (DTE) and Consumers Energy (CE):

June 9 Initial Report: On Friday, June 6, 2008 in the afternoon two strong storm patterns with high winds and heavy lightning caused outages in a line from Kalamazoo to Saginaw. Consumers Energy (CE) experienced extensive damage to poles and cross arms, where strong straight line winds occurred. Areas of extensive damage are in Mendon and the City of Saginaw. Damage to Detroit Edison's (DTE) system was less severe (less than 30,000).

Saturday, June 7, 2008 night a second storm system again caused service interruptions to much of CE's service territory South of M- 46. Most damage was due to lightning. DTE's system was impacted to a lesser level but did go over 50,000 outages for the storm. The result of this second storm caused Consumers Energy to reposition its resources delaying restoration to the areas that were affected by Friday's storms. Great Lakes Mutual Assistance was sought and due to the storms that have been prevalent in the Mid West additional resources were minimal.

On Sunday, June 8, 2008 a severe weather front created strong straight line winds with numerous reports of damage across the Lower Peninsula from M-55 South. Many broken poles have been reported with damage to wires and cross arms. DTE received heavy damage in the Livingston, Oakland, and Macomb areas. As a result, Detroit lost service to 140,000 customers and is opening up the Storm Emergency Headquarters. Macomb and Detroit Public Safety Centers are also being opened.

June 11 Update: The restoration continues. Both Detroit Edison (DTE) and Consumer Energy (CE) are using all available resources to restore service to customers. DTE reports it has corrected its telephone system problems.

Consumers Energy (CE) reports the following Great Lakes Mutual Assistance crews are working on their system: Louisville G&E - 34 Davis Elliot crews, - 4 Pike crews, - 5 Bowlin Electric, NIPSCO - 5 Hinckel & McCoy crews, Indianapolis P&L - 2 Mead Electric crews, Southern Indiana G & E - 10 SERCO crews,- 4 Miller Construction crews, AEP - 4 AEP Kentucky crews, -19 AEP Ohio crews, - 6 AEP Southern Ohio. Some of the AEP crews have been recalled due to damage on the AEP system caused by yesterday's storms in Ohio.

Customer Outage Summaries:

June 9 Initial Report for Consumers Energy:

Total for the storm system: 318,901

Current as of Monday AM: 102,793

Crews:

CE/Contractor Line: 57

CE/Contractor forestry: 59

Great Lakes Mutual Assistance: 36

Approximately 101,000 Consumers Energy electric customers are without service due to the three separate thunderstorms that have moved across the state since Friday afternoon. Since that time, more than 320,000 customers have been affected by weather-related outages.

The approximate numbers of Consumers Energy electric customers remaining without service in and around the following areas are as follows: Adrian (300); Allegan (2,600); Alma (980); Battle Creek (2,700); Bay City (650); Big Rapids (2,000); Clare (8,800); Flint (11,300); Fremont (200); Gladwin (2,900); Grand Rapids (3,600); Greenville (990); Hastings (11,000); Jackson (5,300); Kalamazoo (13,000); Lansing (12,000); Midland (3,200);

Muskegon (550); Owosso (7,200); Rose City (1,150); Saginaw (7,700); Standish (450); Tawas (1,500); Temperance (100) and Zeeland (250).

Utility, line clearing and contract crews, including 70 additional crews from Indiana, Kentucky and Ohio, will continue to restore power throughout the day.

The majority of customers without power are expected to be restored on June 11. Customers in the hardest hit and rural areas, including Alma, Flint, Jackson, Kalamazoo, Lansing, Owosso and Saginaw, may not receive electric service until June 12. Additional storm activity has extended restoration times. Estimates will be updated as assessment and repairs continue.

June 11 Update for Consumers Energy:

Total for the storm system: 358,395

Current as of Wednesday AM: 11,827

Crews:

CE/Contractor Line: 57

CE/Contractor forestry: 110

Great Lakes Mutual Assistance: 93

June 9 Initial Report for Detroit Edison:

Total for the storm system: 150,000

Current as of Monday a.m.: 140,000

Crews:

DTE/Contractor Line: all available

DTE/Contractor forestry: all available

Scope of Storm -- A series of storm systems which began this past Friday continues to impact our southeast Michigan service area. Our Line Crews will continue their round-the-clock restoration efforts. With more storms expected today, it is difficult to estimate when restoration will be complete. More than 1,200 downed wires have been reported. Please be very cautious when outdoors. Stay away from downed power lines and anything they are in contact with, especially metal fences. Treat every downed line as if it is energized.

We are experiencing phone system problems as a result of the storm. Your outage report is important to us. It helps us evaluate the true scope of outages and makes for more accurate restoration estimates. Outages may be reported online using the link on this page.

Hardest Hit Areas -- Oakland, Macomb and Wayne counties were hardest hit by the storms, but outages have been reported throughout our service area.

Restoration Progress -- While 85,000 customers have been restored already and restoration work will continue through the day, additional outages are expected due to the possible storms predicted for this afternoon. At this time, we are unable to provide service restoration estimates.

From: Detroit Edison Storm Web page: <http://my.dteenergy.com/main/indexStorm.html> from this page you can link to the outage map.

June 11 Update for Detroit Edison: The Detroit Edison outage numbers are much larger that previously reported due to a problem with there telephone system for reporting outages. Yesterday DTE reported that the total for the storm was 150,000 customers with 140,000 customers still without power as of Monday (June 9) morning. As can be seen in the following report the numbers are much larger that originally reported.

Total for the storm system: 360,000

Current as of Wednesday AM: 140,000

Crews:

DTE/Contractor Line: all available

DTE/Contractor forestry: all available

Detroit Edison expects to have 90% restored by late Thursday, with restoration continuing into the weekend. DTE has 150 linemen from Ohio, Illinois, and Indiana working and may call for additional linemen.

****Note: this information changes frequently as repairs are made and/or conditions in the field change. Refer to each company's web site for the most current power restoration estimates.**

State Response Actions: The MSP/EMHSD has monitored the situation since the storms first began on Friday, June 6. MSP/EMHSD District Coordinators have worked closely with affected local emergency management coordinators over the past few days to assess damage and impacts, determine and coordinate appropriate response and recovery actions, and assist in obtaining additional resources where required. On Monday, June 9, the MSP/EMHSD began to compile the damage estimates developed by the affected local communities. In addition, a request was made to state agencies to provide detailed synopses of any storm-related response / recovery actions they took during the weekend of June 7-8, or anticipate taking in the coming days to aid the affected local communities. The affected local jurisdictions continue to collect and compile information and develop their damage and impact assessments. That process is expected to continue for the next couple of days.

The State Emergency Operations Center (SEOC) has not been activated as of this time but state officials continue to closely monitor the situation and offer whatever assistance they can to meet situational needs. The Michigan Department of Labor and Economic Growth (MDLEG) / Michigan Public Service Commission (MPSC) is monitoring the storm-related power outages in the affected areas and maintaining management contact with the involved power companies. The MDOT is assessing storm-related damage / impacts to state roadways and related transportation infrastructure and clearing debris and making repairs where required. Other state agencies are also conducting incident assessments to determine what impacts, if any, the storms have had on state facilities and/or agency operations. The MSP/EMHSD continues to monitor the situation, coordinate recovery and public information activities, and work closely with the Governor's Office and involved state agencies to review and evaluate requests for state assistance submitted by the affected local jurisdictions on a case-by-case basis.

June 11 Update: The MSP Special Operations Division, Aviation Unit is assisting the City of Lansing, Delta Township, and Eaton and Clinton counties with damage assessments by conducting damage assessment over-flights. The first flight was conducted on June 10 and another is scheduled for today. In addition, today the MSP/EMHSD dispatched four two-person field assessment teams to aid the City of Lansing in identifying hazardous conditions that may remain due to downed or partially-downed trees. These assessments will supplement the initial damage assessments conducted by city officials earlier in the week. The MSP/EMHSD developed a special damage survey worksheet for this assignment (see attached).

Earlier today, the MSP/EMHSD also contacted the U.S. Small Business Administration (SBA) in Atlanta, Georgia and requested that they come to Michigan to determine if sufficient home and business damage has occurred to warrant an SBA Disaster Declaration and activation of the SBA Low-Interest Disaster Loan Program. The SBA agreed to Michigan's request and is expected to conduct its damage surveys later in the week and into next week as required.

Local "State of Emergency" Declared under 1976 PA 390, as amended:

- Eaton County on June 8, 2008.
- City of Lansing on June 8, 2008.
- Ottawa County on June 9, 2008.
- Delta Township (in Eaton County) on June 9, 2008.
- **Allegan County on June 10, submitted on June 11, 2008.**
- **Saginaw County on June 11, 2008.**
- **Osceola County on June 11, 2008.**

Requests by Local Jurisdiction for a Governor's Emergency / Disaster Declaration:

June 11 Update:

- Delta Township on June 9, 2008. (No specific request for state resources.)
- City of Lansing on June 10, 2008. (Request for resources included: 1) 15 forestry task force crews with minimum of five personnel each trained in tree removal with necessary equipment; 2) 10 two-person damage assessment field teams; 3) four utility line crews for utility restoration purposes; 4) three dump trucks with personnel; and 5) one end loader with grab bucket, with personnel.)
- Saginaw County on June 11, 2008. (Request for assistance with debris removal and any financial assistance that may be available.)
- Osceola County on June 11, 2008. (Request for assistance with extensive debris removal and with emergency protective measures.)
- Allegan County on June 11, 2008. (Request for: 1) assistance to supplement local response and recovery efforts in rebuilding a roadway which is the primary access for 14 residences; 2) fix and repair culverts and public drains that have been destroyed; and 3) support citizens with flooded homes.)

The MSP/EMHSD is reviewing the requests from the jurisdictions and assessing the availability of the requested resources.

June 11 Update: (State Resources- Available for Debris Removal)

Department of Corrections:

- 12-24 person prisoner detail.

Department of Transportation:

- 1 large chipper
- 1 non-insulated bucket truck with a 40' reach.
- A number of chainsaws.
- 2 small backhoes.
- 15 workers (three or four small crews).

Military and Veterans Affairs:

- Not reported yet.

Department of Natural Resources:

- Not reported yet.

Storm Related Fatalities

June 11 Update: There are six confirmed fatalities resulting from the severe weather on June 6-8, 2008. Three fatalities in Ottawa County, two fatalities in Allegan County, and one fatality in Delta Township (Eaton County). There are two fatalities confirmed in Argentine Township (Genesee County) on June 9 as a result of carbon monoxide poisoning from a generator located in the home used during an electricity outage.

Tornado Confirmed

June 11 Update: The National Weather Service (NWS) confirmed an EF-1 tornado moved through Mid-Michigan during the afternoon of June 8, 2008 generating strong winds through parts of Eaton County and the Lansing area. The damage along the path was consistent with EF-1 damage. Maximum winds were estimated at 86 miles per hour (mph).

Street Surveyed: _____

Private Damage Summary Table (from filed E Team reports only): Blank spaces indicate either no damage or damage not yet reported.

Jurisdiction	Residences Destroyed	Residences – Major Damage	Residences – Minor Damage	Residences – Affected	Businesses Destroyed	Businesses – Major Damage	Businesses – Minor Damage	Businesses – Affected	\$ Estimate for Damage (if available)
Allegan County		1	8	12					(10% insured)
Arenac County									
Barry County									
Clare County			7						\$10,000 (100% insured)
Clinton County	1	2	15	5			1	5	\$510,000 (100% insured)
Delta Township									
City of Detroit									
Eaton County			40	9			1		\$449,000 (100% insured)
Genesee County		1		2					(100% insured)
Gladwin County									
City of Lansing		8	34	63		1	1	11	(50% insured – residences; 100% insured – businesses)
Livingston County									
Missaukee County									
Monroe County									
Oakland County									
Osceola County			15	130			3		
Ottawa County									
Saginaw County		8	5	16		1	1	2	(60% insured – residences; \$200,000 for businesses – 80% insured)
Washtenaw County									
Wayne County									
TOTALS:	1	20	124	237		2	7	18	\$1,169,000